

REMARKS

Entry of the foregoing amendment to the Specification is requested to comply with the requirements of 37 C.F.R. 1.78(a)(2).

The claims of the subject application have been amended to avoid multiple dependency. Favorable consideration of the subject application is respectfully requested.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claims 3, 5 - 10, and 12 have been amended as follows:

3. Detector according to ~~one or the other of claims 1 and 2~~, in which the mobility of the electric charges in the polymer is greater than 10^{-6} cm²/V/sec.
5. Detector according to ~~any one of claims 1 to 4~~, in which the guest particles are capable of producing electric charges by direct interaction with the incident radiation or by interaction with other electric charges produced by interaction of this incident radiation with the host matrix.
6. Detector according to ~~any one of claims 1 to 5~~, in which the guest particles are chosen from the group comprising grains of at least one semiconductor powder and semiconducting colloidal particles.
7. Detector according to ~~any one of claims 1 to 6~~, in which the guest particles have a mean atomic number higher than 14, an average density greater than 2 gm.cm⁻³ and an average relative permittivity greater than 10.
8. Detector according to ~~any one of claims 1 to 7~~, in which the guest particles are coated in a material preventing agglomeration of these guest particles.
9. Detector according to ~~any one of claims 1 to 8~~, in which the first material is electrically conductive, the tracks (22) are electrically insulated from the sheets (4) and the means for creating the electric field furthermore comprise means (26) for applying an electric voltage between the tracks and the sheets, this voltage being able to provoke collection of charges by the tracks.
10. Detector according to ~~any one of claims 1 to 8~~, in which each group of tracks (22) is contained in the layer (6) with which it is associated.
12. Detector according to ~~any one of claims 1 to 8~~, in which the sheets (4) are electrically insulating, an electrically conductive layer (46) is interposed between each layer of composite semiconducting material and the sheet associated with it and the means of creation of the electric field furthermore comprise means (26) for application of an electric voltage between the tracks (22) and the electrically conductive layers (46), this voltage being capable of provoking the collection of charges by the tracks.

Claims 15 - 22 have been added.